

WHAT IS CLAIMED IS:

1. An oil repelling agent, comprising:
about 100 PPM to about 400 PPM of a UV coloring agent; and
a fluorine-based polymer.
2. The oil repelling agent of claim 1, wherein the quantity of the UV coloring agent is about 150 PPM to about 300 PPM.
3. The oil repelling agent of claim 1, wherein the weight percent of the fluorine-based polymer is about 0.1% to about 0.6%.
4. The oil repelling agent of claim 3, wherein the weight percent of the fluorine-based polymer is about 0.2% to about 0.5%.
5. The oil repelling agent of claim 1, wherein the UV coloring agent is a compound from the coumarin system.
6. The oil repelling agent of claim 1, further comprising organic pigments.
7. The oil repelling agent of claim 1, further comprising dyes.
8. A method of forming an oil repelling film, comprising:
coating a surface of a work piece with an oil repelling agent to form an inspection coating on the surface, the oil repelling agent including,
about 100 PPM to about 400 PPM of a UV coloring agent;
a fluorine-based polymer; and
a solvent;
drying the coating; and
baking the oil repelling agent until an oil repelling film is formed.

9. The method of claim 8, wherein the oil repelling agent is baked at a temperature between about 90°C and about 150°C.
10. The method of claim 9, wherein the oil repelling agent is baked for about one hour.
11. The method of claim 8, further comprising the step of inspecting the inspection coating under a UV light prior to baking.
12. The method of claim 8, wherein the quantity of the UV coloring agent is about 150 PPM to about 300 PPM.
13. The method of claim 8, wherein the oil repelling agent includes about 0.1% to about 0.6% by weight of the fluorine-based polymer.
14. The method of claim 13, wherein the weight percent of the fluorine-based polymer is about 0.1% to about 0.5%.
15. The method of claim 8, wherein the UV coloring agent is a compound from the coumarin system.
16. The method of claim 8, wherein the oil repelling agent includes organic pigments.
17. The method of claim 8, wherein the oil repelling agent includes dyes.
18. The method of claim 8, further comprising the step of including the work piece as part of a fluid dynamic pressure bearing device.
19. The method of claim 8, further comprising the step of including the work piece as part of a hard disc drive.
20. The method of claim 8, wherein the work piece is at least of one of a sleeve and a shaft of a pressure bearing device.

21. An oil repelling agent, comprising:
 - about 100 PPM to about 400 PPM of a UV coloring agent;
 - about 0.1% to about 0.6% of a fluorine-based polymer; and
 - a solvent.
22. An oil repelling agent, comprising:
 - about 150 PPM to about 300 PPM of a UV coloring agent;
 - about 0.2% to about 0.5% of a fluorine-based polymer; and
 - a solvent.
23. A bearing component, comprising:
 - a surface having an oil repelling agent deposited thereon, the oil repelling agent including:
 - about 100 PPM to 400 PPM of a UV coloring agent;
 - a fluorine-based polymer; and
 - a solvent.
24. The bearing component of claim 23, wherein the oil repelling agent includes about 0.1% to about 0.6% of the fluorine-based polymer.
25. The bearing component of claim 23, wherein the bearing component is a sleeve of a bearing device.
26. The bearing component of claim 23, wherein the bearing component is a shaft of a bearing device.
27. The bearing component of claim 23, wherein the oil repelling agent is formed into an oil repelling film.

28. The bearing component of claim 23, wherein the bearing component is included as part of a bearing device.
29. The bearing component of claim 23, wherein the bearing component is included as part of a hard disc drive.
30. A fluid dynamic pressure bearing component, comprising:
a surface having an oil repelling agent deposited thereon, the oil repelling agent including:
about 100 PPM to 400 PPM of a UV coloring agent;
a fluorine-based polymer; and
a solvent.
31. The fluid dynamic pressure bearing component of claim 30, wherein the oil repelling agent includes about 0.1% to about 0.6% of the fluorine-based polymer.
32. The fluid dynamic pressure bearing component of claim 30, wherein the bearing component is a sleeve of a fluid dynamic pressure bearing device.
33. The fluid dynamic pressure bearing component of claim 30, wherein the fluid dynamic pressure bearing component is a shaft of a fluid dynamic pressure bearing device.
34. The fluid dynamic pressure bearing component of claim 30, wherein the oil repelling agent is formed into an oil repelling film.
35. The fluid dynamic pressure bearing component of claim 30, wherein the fluid dynamic pressure bearing component is included as part of a fluid dynamic pressure bearing device.
36. The fluid dynamic pressure bearing component of claim 30, wherein the fluid dynamic pressure bearing component is included as part of a hard disc drive.

37. A fluid repelling agent, comprising:
about 100 PPM to about 400 PPM of a UV coloring agent; and
a fluorine-based polymer.

38. The fluid repelling agent of claim 37, wherein the quantity of the UV coloring agent is about 150 PPM to about 300 PPM.

39. The fluid repelling agent of claim 37, wherein the weight percent of the fluorine-based polymer is about 0.1% to about 0.6%.

40. The fluid repelling agent of claim 37, wherein the weight percent of the fluorine-based polymer is about 0.2% to about 0.5%.